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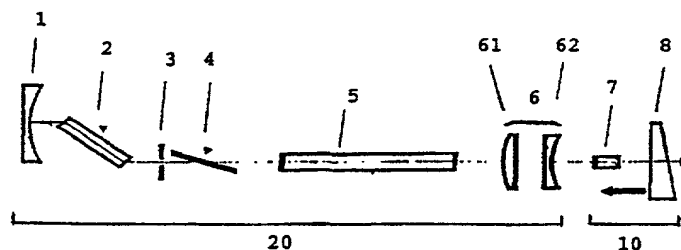
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(54) Title: DEVICE AND METHOD FOR A LASER BLOCKED-MODE

(54) Titre: DISPOSITIF ET PROCÉDE PERMETTANT LE MODE-BLOPAGE D'UN LASER



## (57) Abstract

The invention relates to a device for a laser blocked-mode, especially for a pulsed laser, comprising a cavity resonator (20) which is defined by a first mirror (1) and a second mirror (8), and fitted with an amplifying active laser medium (5) for the amplification of a beam of laser radiation of a fundamental frequency ( $\omega_1$ ) and a solid, non-linear optic means (10) comprising at least said second mirror (8) for reversible conversion of the radiation of the fundamental frequency ( $\omega_1$ ) into radiation of a harmonic frequency ( $\omega_2$ ), whereby said non-linear optic means (10) has a reflection factor which increases with the intensity of the radiation of a fundamental frequency. The invention is characterized in that said device also comprises a solid intensity limiter (4) in the cavity resonator (20), whereby the transmission factor of the laser radiation decreases with the intensity of said radiation. The invention also relates to a method for a laser blocked-mode, especially for a pulsed laser, using said device.